

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 01/22/2020 10:15 AM
Cytometer Baseline: 10/08/2019 01:46 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125910	0	2.01	125971	2.00
Blue	F	SSC	125000	125102	0	1.64	125876	1.60
Blue	E	FITC	16433	16060	-3	2.61	350	19.85
Blue	D	PE	27595	27180	-2	1.85	592	14.31
Blue	B	PerCP-Cy5-5	43183	42615	-2	3.54	1148	20.07
Blue	A	PE-Cy7	31943	32146	0	5.92	611	40.89
Red	C	APC	42819	42808	-1	2.45	1509	12.13
Red	A	APC-Cy7	31261	30574	-3	2.37	806	11.90
Violet	B	V450	6527	6344	-3	4.15	355	12.93
Violet	A	V500	24533	23745	-4	3.90	554	10.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17827	10.72	616	16	N/A	N/A	Pass
Blue	F	SSC	57014	1.13	558	10	N/A	N/A	Pass
Blue	E	FITC	63	62.06	542	3	0.0197	68	Pass
Blue	D	PE	124	48.84	539	5	0.1801	297	Pass
Blue	B	PerCP-Cy5-5	209	49.77	652	10	0.0093	66	Pass
Blue	A	PE-Cy7	112	100.12	700	11	0.0108	10	Pass
Red	C	APC	358	25.28	583	0	0.0244	142	Pass
Red	A	APC-Cy7	178	28.29	562	-1	0.0056	838	Pass
Violet	B	V450	54	58.25	450	-5	0.0516	1906	Pass
Violet	A	V500	83	32.76	461	-6	0.0210	523	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.98	-32.38	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	15.71	13.60 - 20.40	N/A	N/A	29.91	30.48	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10428

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments